

FIG 1

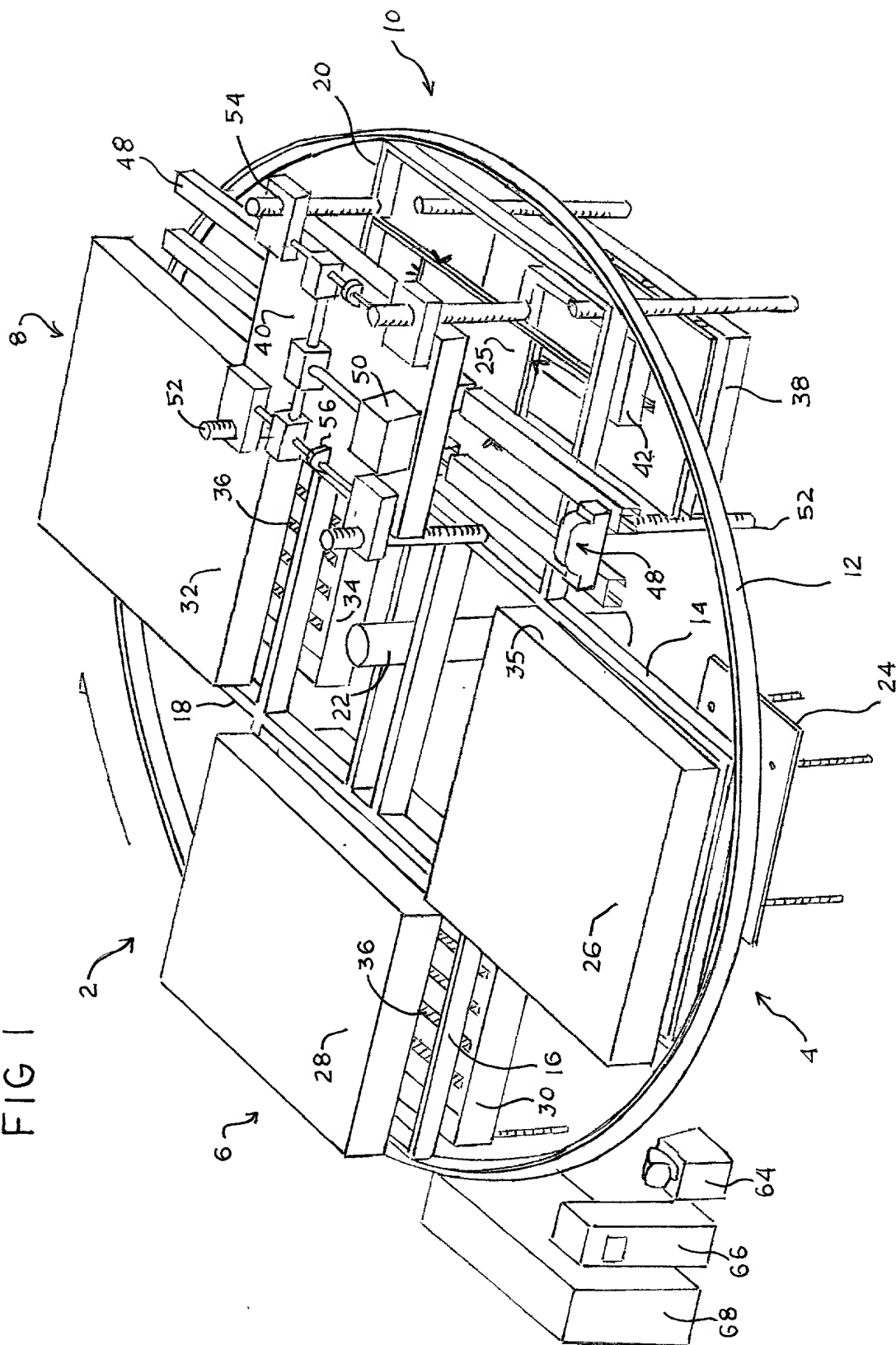


FIG. 2

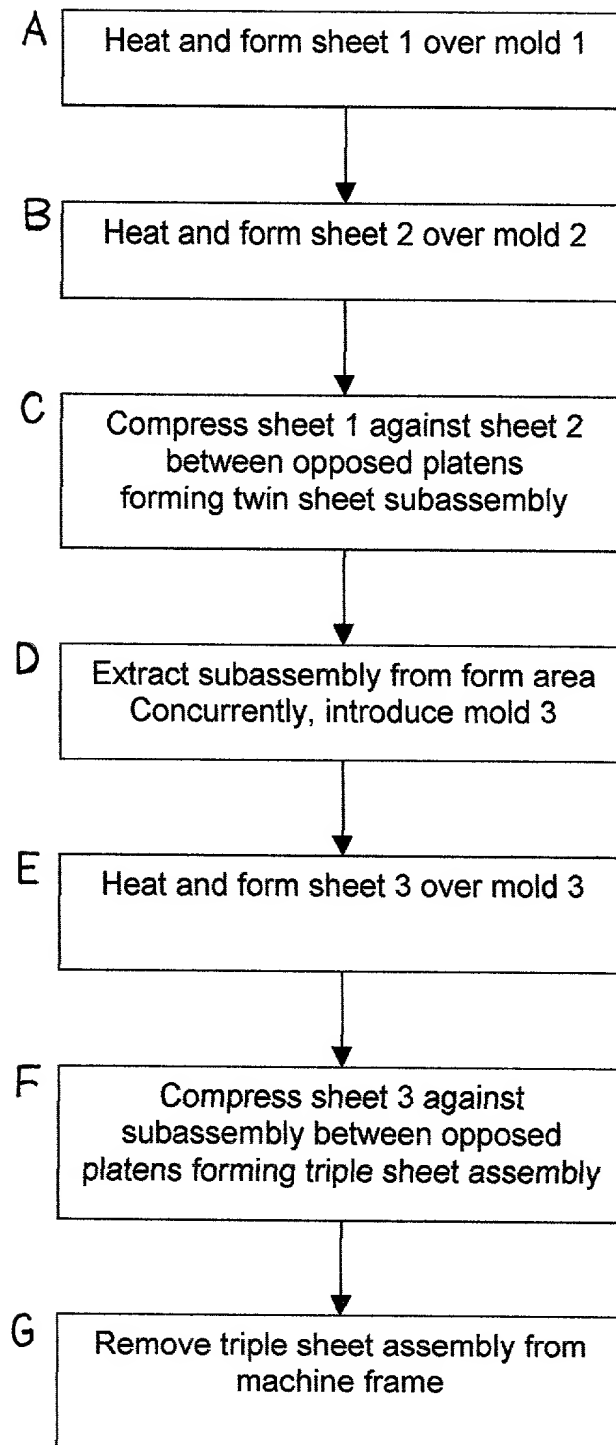


FIG 3

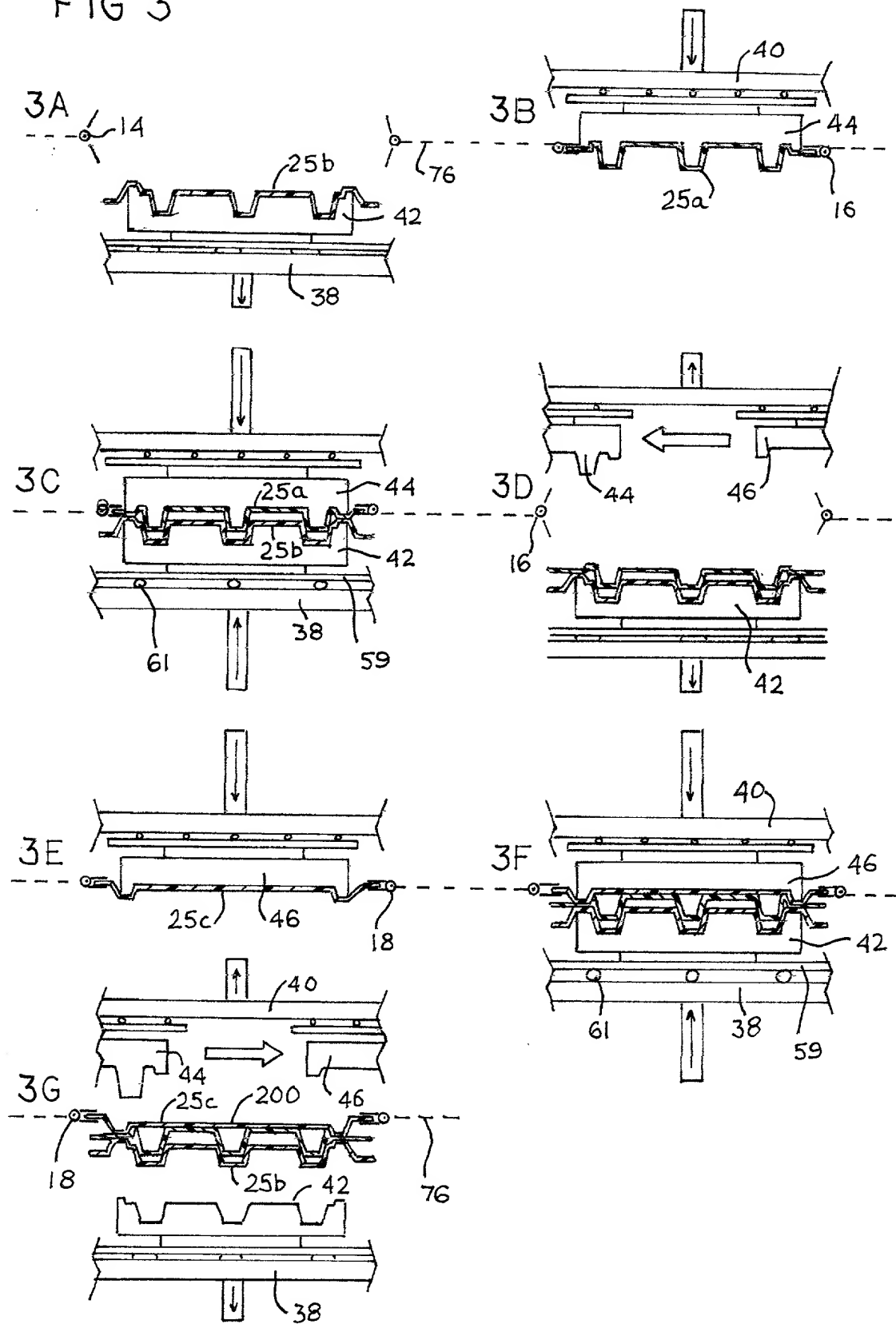


FIG 4

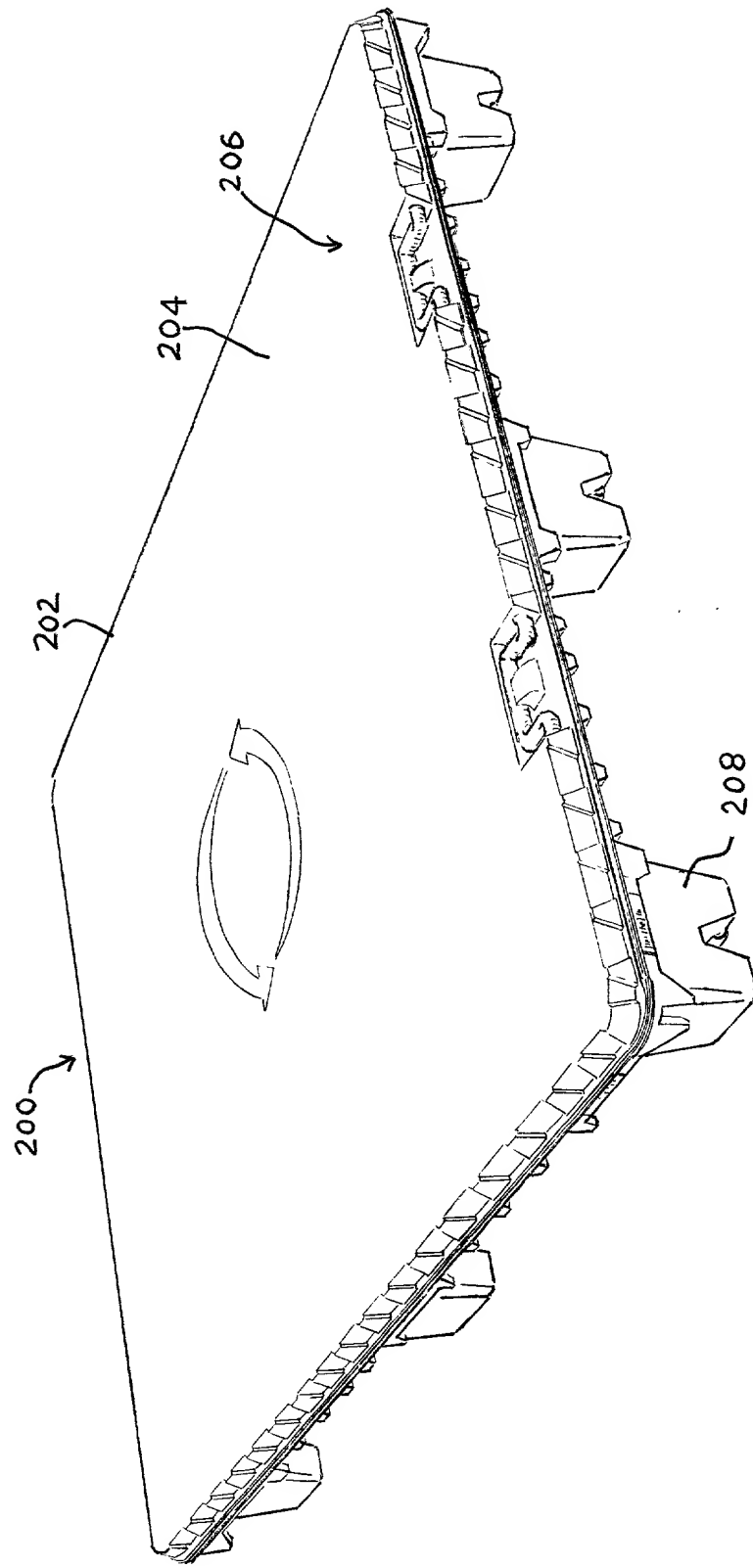




FIG. 8



FIG. 9



FIG. 10

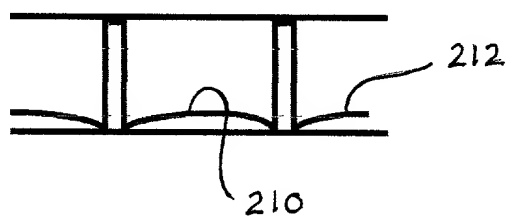


FIG. 11

FIG 11

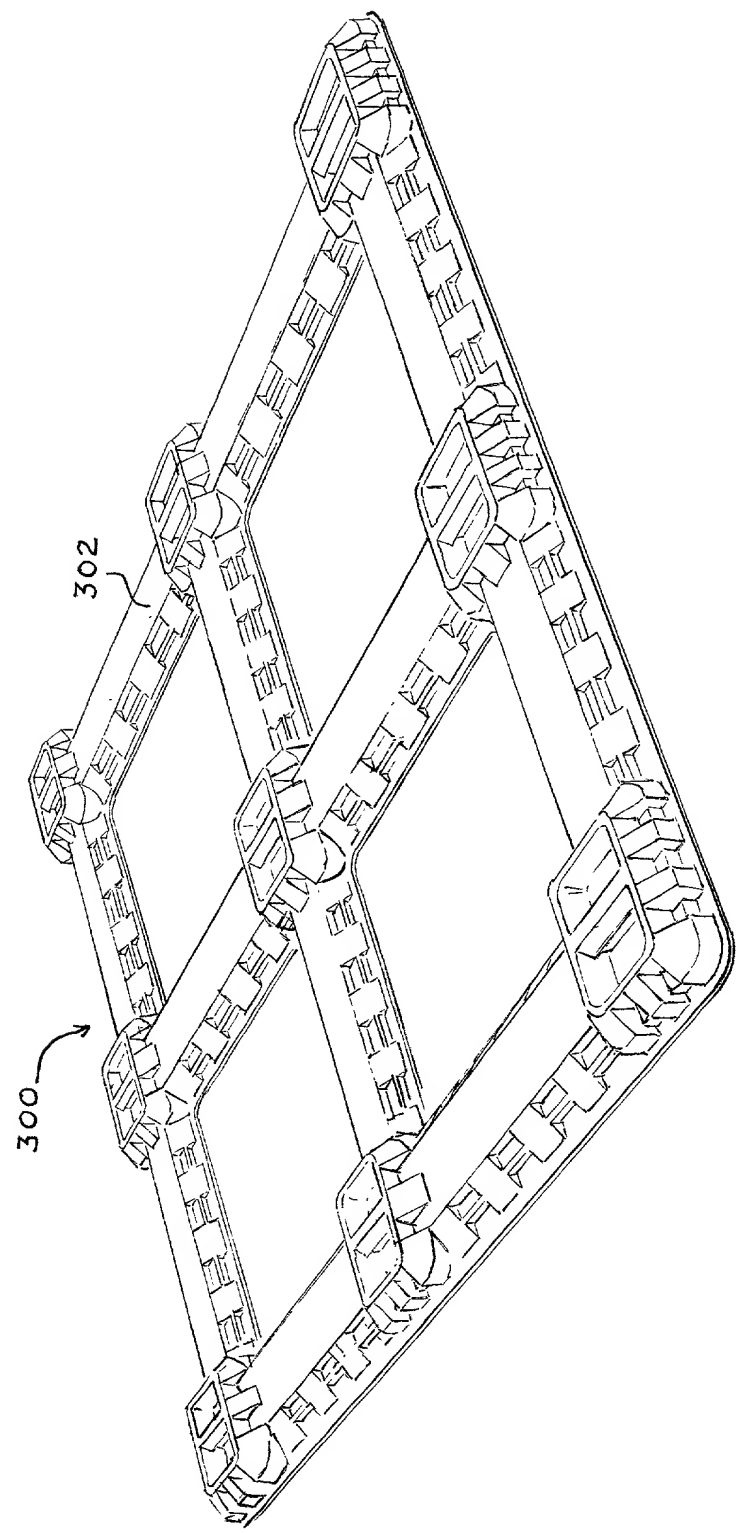


FIG 12

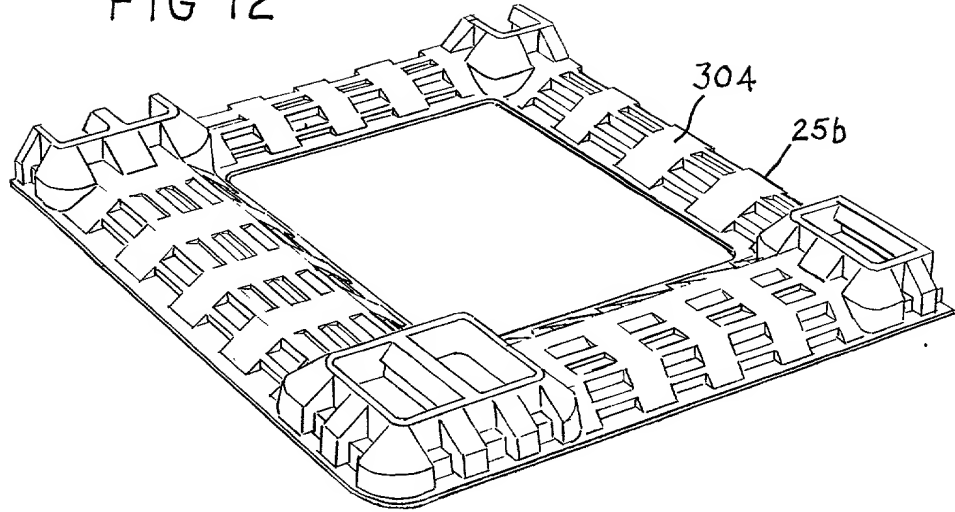


FIG 13

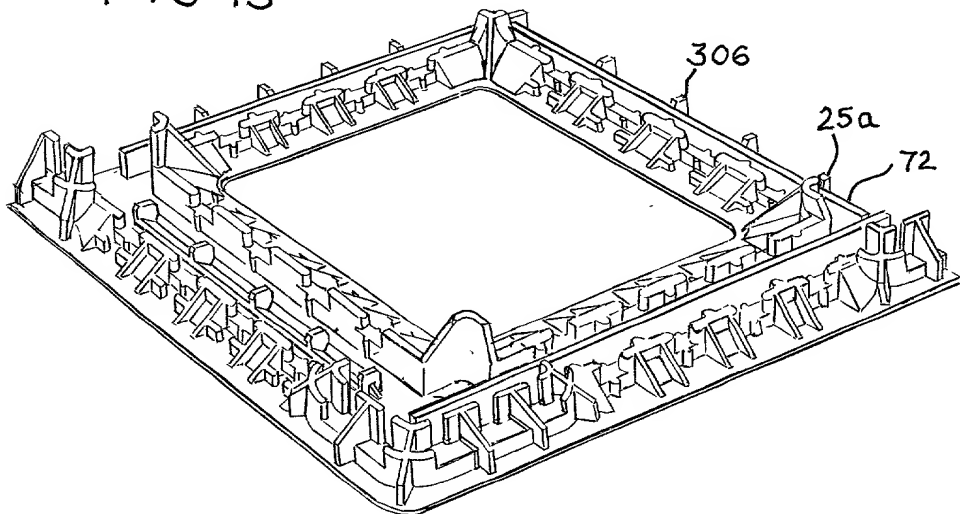


FIG 14

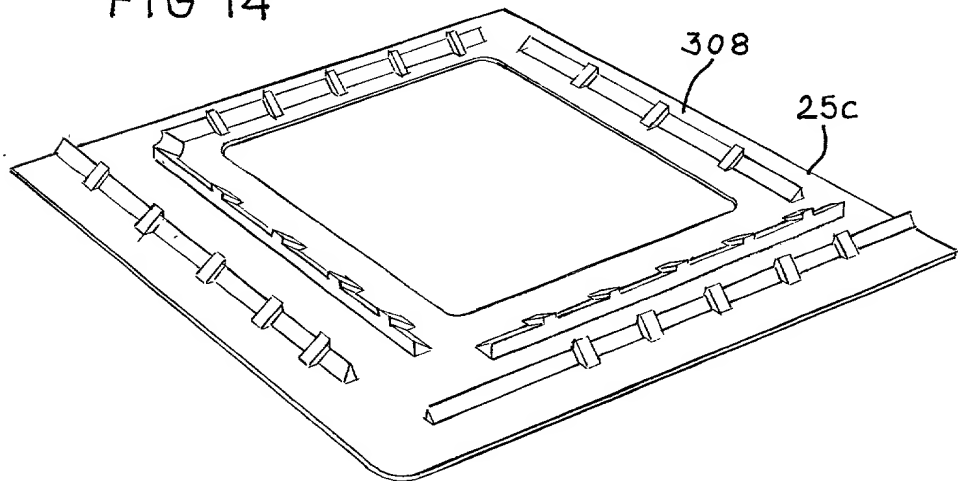
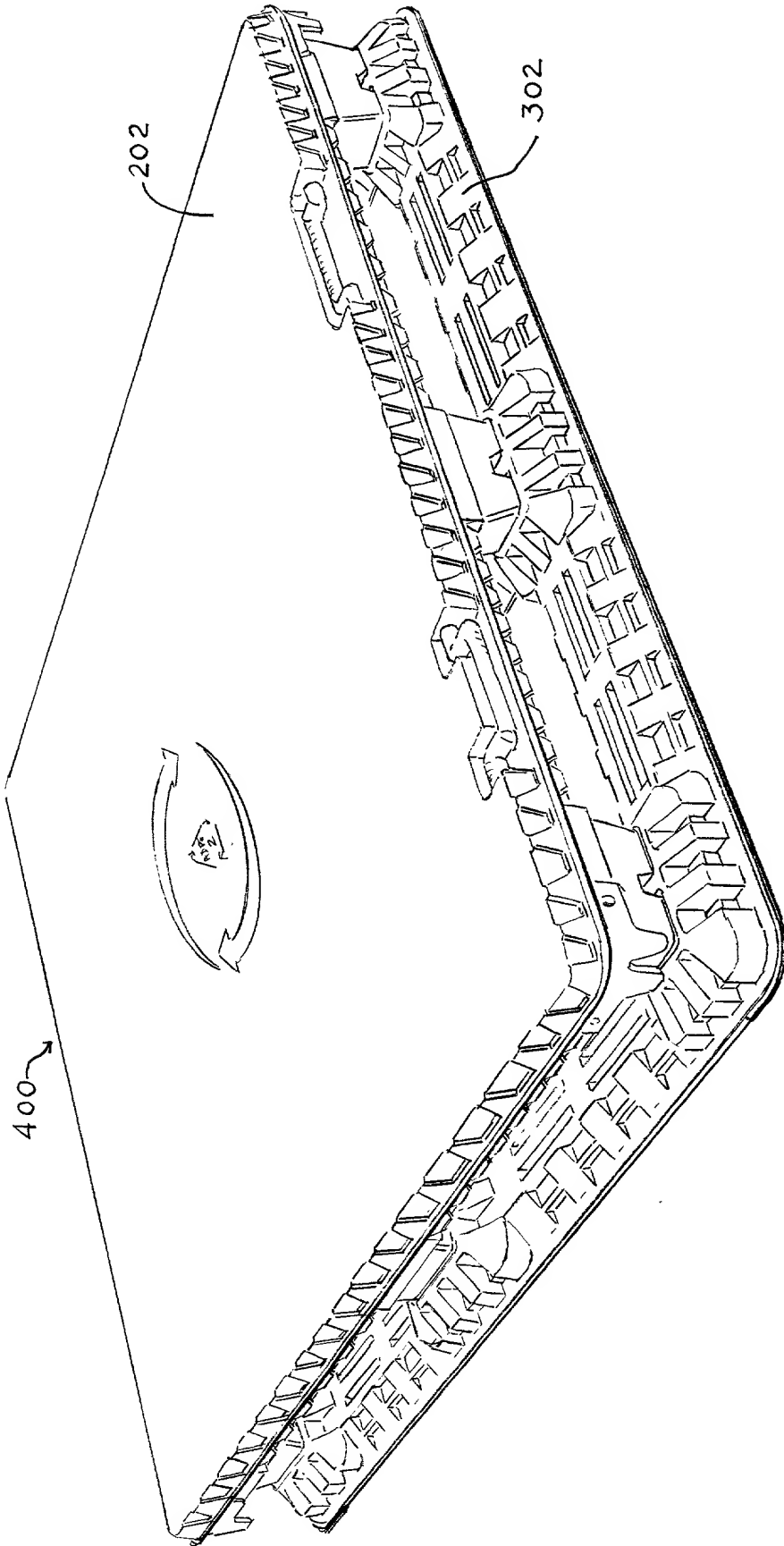




FIG 15



FORM 20-2 2013-03-06

CHART 1 - OPERATING FUNCTIONS OF APPARATUS

FIG 16

CHART 1 - OPERATING FUNCTIONS OF APPARATUS																		
STATION ONE			STATION TWO	STATION THREE	STATION FOUR				SHUTTLE	STATION FIVE				TOTAL TIME	ROTATE			
UNLOAD	LOAD	OH1	OH2	OH3	LPE	UPE	VF	PF		LPR	UPR	FRAMES	DWELL					
CYCLE 1		11	9															
SHEET 1																		
CYCLE 2																		
SHEET 1			20.5															
SHEET 2	11	10.5																
CYCLE 3																		
SHEET 1				29.5														
SHEET 2			29.5															
SHEET 3	11	18.5																
CYCLE 4																		
FORM 1																		
SHEET 2				20														
SHEET 3			20															
SHEET 4	11	9																
CYCLE 5																		
FORM 1/2				27.5														
SHEET 3			27.5															
SHEET 4																		
SHEET 5	11	16.5																
CYCLE 6																		
FORM 1/2/3																		
SHEET 4				32														
SHEET 5			32															
SHEET 6	11	21																
CYCLE 7																		
PART 1																		
6																		
FORM 4																		
SHEET 5				20														
SHEET 6			20															
SHEET 7	11	3																
CYCLE 8																		
FORM 4/5																		
SHEET 6				27.5														
SHEET 7			27.5															
SHEET 8	11	16.5																
CYCLE 9																		
FORM 4/5/6																		
SHEET 7				32														
SHEET 8			32															
SHEET 9	11	21																
CYCLE 10																		
PART 2																		
6																		
FORM 7																		
SHEET 8				20														
SHEET 9			20															
SHEET 10	11	3																

80

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FIG 17

CHART 2- TIME EACH SHEET SPENDS IN EACH OVEN IN SECONDS

	OVEN 1	OVEN 2	OVEN 3	TOTAL
SHEET 7	3	27.5	32	62.5
SHEET 8	16.5	32	20	68.5
SHEET 9	21	20	27.5	68.5
TOTAL	40.5	79.5	79.5	199.5

CHART 3 – AMOUNT OF HEAT ENERGY RECEIVED BY EACH SHEET IN EACH OVEN IN PERCENT

	OVEN 1	OVEN 2	OVEN 3	TOTAL
SHEET 7	5%	44%	51%	100%
SHEET 8	24%	47%	29%	100%
SHEET 9	31%	29%	40%	100%
TOTAL	20%	40%	40%	100%

CHART 4 – REGULATED HEAT ENERGY PUTPUT FOR EACH SHEET

	OVEN 1	OVEN 2	OVEN 3
FIRST SHEET	40%	67%	78%
SHECOND SHEET	55%	71%	44%
THIRD SHEET	70%	44%	61%

FIG 18

**Chart 5. Triple Sheet Controlled Heater Output**

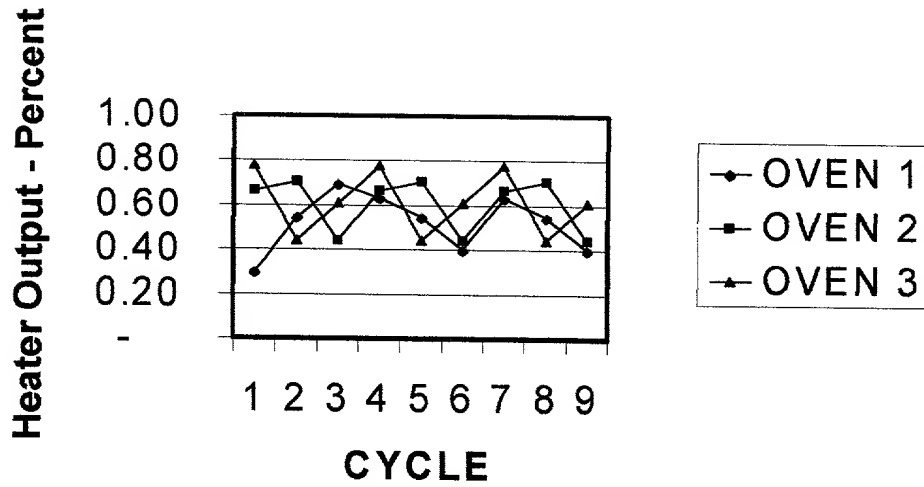


FIG 19

**Chart 6: Twin Sheet Constant Heater Output**

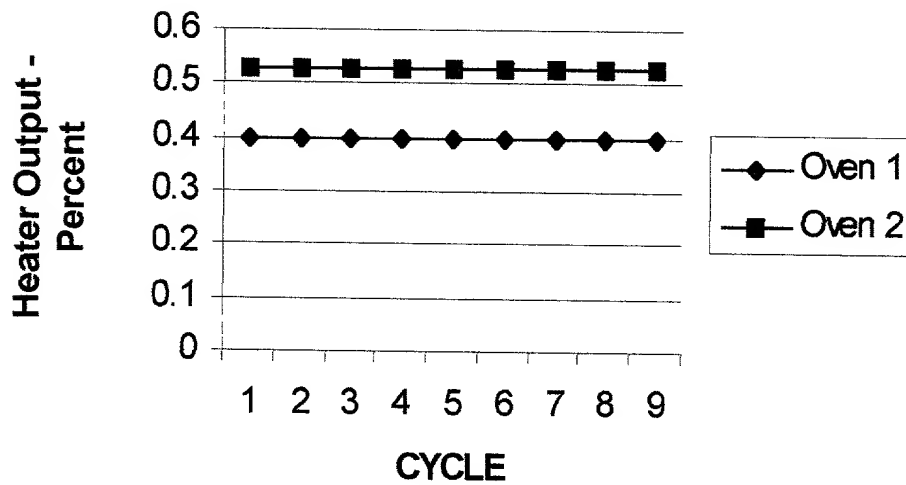


FIG 20

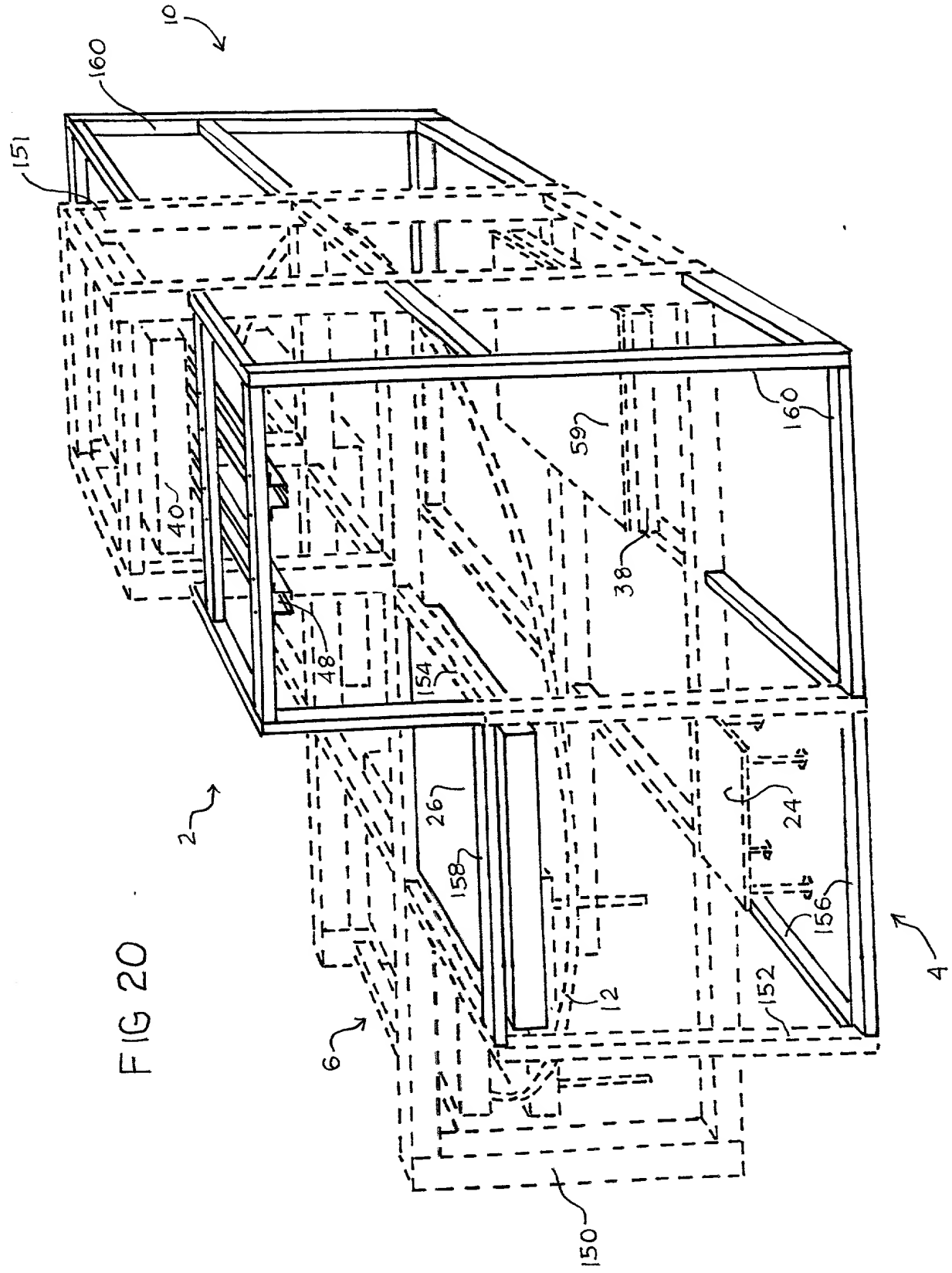




FIG 21A

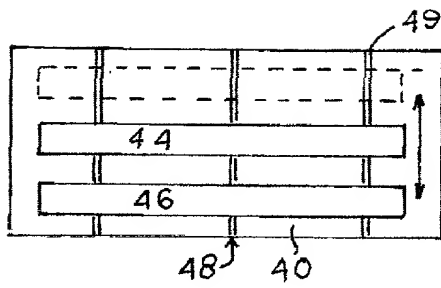


FIG 21B

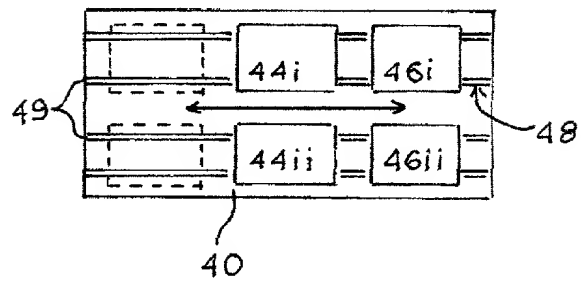


FIG 22A

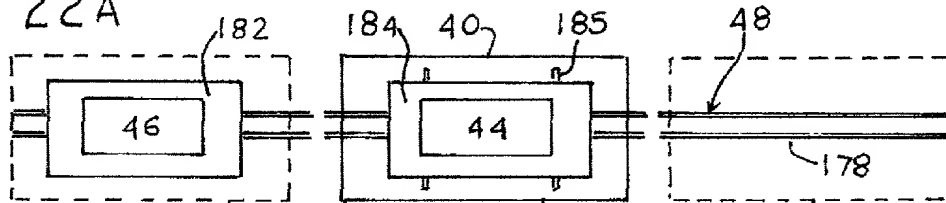


FIG 22B

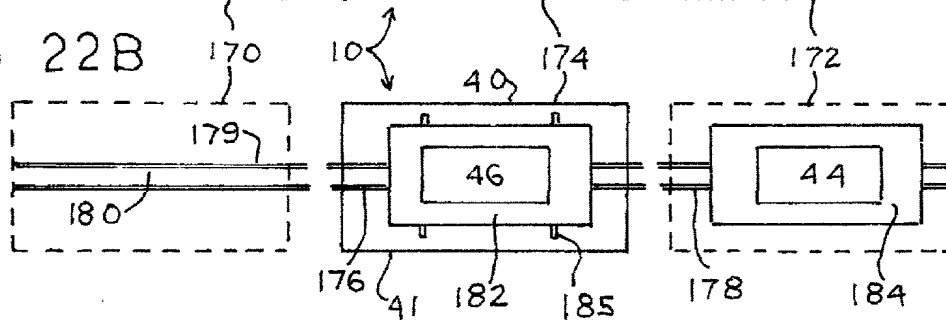


FIG 23

